

B.Liet

RE-FILED

#11  
TMJ  
12/7/01

1636

RAW SEQUENCE LISTING DATE: 12/07/2001  
 PATENT APPLICATION: US/09/516,310C TIME: 14:47:19

Input Set : A:\22000.0021U2.txt.txt  
 Output Set: N:\CRF3\12072001\I516310C.raw

ENTERED

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3 <110> APPLICANT: Lin, Yao-Zhong
4           Hawiger, Jack J.
6 <120> TITLE OF INVENTION: A Novel Method for Importing
7           Biologically Active Molecules into Cells
10 <130> FILE REFERENCE: 22000.0021U2
12 <140> CURRENT APPLICATION NUMBER: 09/516,310C
13 <141> CURRENT FILING DATE: 2000-03-01
15 <150> PRIOR APPLICATION NUMBER: 09/170,754
16 <151> PRIOR FILING DATE: 1998-10-13
18 <150> PRIOR APPLICATION NUMBER: 09/052,784
19 <151> PRIOR FILING DATE: 1998-03-31
21 <150> PRIOR APPLICATION NUMBER: 08/258,852
22 <151> PRIOR FILING DATE: 1994-06-13
24 <160> NUMBER OF SEQ ID NOS: 11
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 26
30 <212> TYPE: PRT
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

construct
36 <221> NAME/KEY: SITE
37 <222> LOCATION: (1)...(16)
38 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF
40 <221> NAME/KEY: SITE
41 <222> LOCATION: (17)...(19)
42 <223> OTHER INFORMATION: note = Spacer region
44 <221> NAME/KEY: SITE
45 <222> LOCATION: (20)...(26)
46 <223> OTHER INFORMATION: note = Epitope tag
48 <400> SEQUENCE: 1
49 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Ala Pro
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51 Ala Ala Ala Asp Gln Asn Gln Leu Met Pro
52           20          25
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55 <211> LENGTH: 7
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

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62 <400> SEQUENCE: 2
63 Asn Tyr Lys Lys Pro Lys Leu
64   1           5
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 26

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68 <212> TYPE: PRT

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69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
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  75 <222> LOCATION: (1)...(16)
  76 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF
  78 <221> NAME/KEY: SITE
  79 <222> LOCATION: (17)...(19)
  80 <223> OTHER INFORMATION: Spacer region
  82 <221> NAME/KEY: SITE
  83 <222> LOCATION: (20)...(26)
  84 <223> OTHER INFORMATION: Nuclear localization sequence of aFGF
  86 <400> SEQUENCE: 3
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    1           5           10          15
    Ala Ala Ala Asn Tyr Lys Lys Pro Lys Leu
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  89 <210> SEQ ID NO: 4
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  97 <220> FEATURE:
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  104 <221> NAME/KEY: SITE
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  106 <223> OTHER INFORMATION: note = Spacer region
  108 <221> NAME/KEY: SITE
  109 <222> LOCATION: (20)...(26)
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  112 <221> NAME/KEY: SITE
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  130 <221> NAME/KEY: SITE
  131 <222> LOCATION: (1)...(16)
  132 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF

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RAW SEQUENCE LISTING  
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144 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

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148 1 5 10 15
149 Glu Ile Leu Leu Pro Asn Asn Tyr Asn Ala Tyr Glu Ser Tyr Lys Tyr
150 20 25 30
151 Pro Gly Met Phe Ile Ala Leu Ser Lys
152 35 40
154 <210> SEQ ID NO: 7
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156 <212> TYPE: PRT
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159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

construct
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164 1 5 10 15
165 Pro Gly Met Phe Ile Ala Leu Ser Lys
166 20 25
168 <210> SEQ ID NO: 8
169 <211> LENGTH: 26
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
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construct
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179 Ile Glu Glu Lys Arg Lys Arg Thr Tyr Glu
180 20 25
182 <210> SEQ ID NO: 9
183 <211> LENGTH: 26
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
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190 <400> SEQUENCE: 9
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192 1 5 10 15
193 Val Asn Arg Lys Arg Asn Lys Leu Met Pro
194 20 25

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RAW SEQUENCE LISTING  
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TIME: 14:47:19

Input Set : A:\22000.0021U2.txt.txt  
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198 <212> TYPE: PRT  
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208 <210> SEQ ID NO: 11  
209 <211> LENGTH: 10  
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211 <213> ORGANISM: Artificial Sequence  
213 <220> FEATURE:  
214 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic  
construct  
216 <400> SEQUENCE: 11  
217 Ile Glu Glu Lys Arg Lys Arg Thr Tyr Glu  
218 1 5 10

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001

TIME: 14:47:20

Input Set : A:\22000.0021U2.txt.txt

Output Set: N:\CRF3\12072001\I516310C.raw

STATISTICS SUMMARY  
PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001  
TIME: 14:47:20

Input Set : A:\22000.0021U2.txt.txt  
Output Set: N:\CRF3\12072001\I516310C.raw

Application Serial Number: US/09/516,310C

Alpha or Numeric: Numeric

Application Class:

Application File Date: 03-01-2000

Art Unit: 1636

Software Application: FastSeq

Total Number of Sequences: 11

Total Nucleotides: 0

Total Amino Acids: 241

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 0

#### MESSAGE SUMMARY